

Mikusinski's. This limit is called the value of f at x_0 , denoted $f(x_0)$ (definition attributed to S. Lojasiewicz). $\int_{x_0}^x f(x)dx$ is defined to be the value at 0 (if this exists) of distribution $(F(x+b) - F(x+a))$ with $F' = f$. II. If $F' = f$ and f has a value at x_0 , then so does F . III. If f has values at a and b , then $\int_a^b f(x)dx$ is defined. IV. $\int_{-\infty}^{\infty} f(x)dx$ is defined, if $f(x+2\pi) = f(x)$; and $f(x) = \sum_{n=-\infty}^{+\infty} c_n e^{inx}$ with $c_n = (2\pi)^{-1} \int_0^{2\pi} f(x) e^{-inx} dx$ [cf. the preceding review]. L. Halperin.

Zielezny, J. Sur la définition de Lojasiewicz de la valeur d'une distribution dans un point. Bull. Acad. Polon. Sci. Cl. III. 3 (1955), 519-520.

On the real line $-\infty < x < \infty$ let $f = f(x)$ denote a locally summable function, F a distribution and $\varphi(x)$ a continuous function possessing derivatives of all orders and vanishing outside some finite interval. For fixed a and $\alpha \neq 0$ define $f^{a,\alpha}$, $F^{a,\alpha}$ and $\varphi_{a,\alpha}$ as follows:

$$f^{a,\alpha}(x) = f(ax + a), \quad \varphi_{a,\alpha}(x) = \frac{1}{\alpha} \varphi\left(\frac{x-a}{\alpha}\right) \text{ and } F^{a,\alpha}(\varphi) = P(\varphi)_{a,\alpha}$$

for all φ . If F coincides with a function f then $F^{a,\alpha}$ will coincide with $f^{a,\alpha}$. Always

$$(F^{a,\alpha})' = a(F^{a,\alpha})^{a,\alpha}, \quad (F^{(k)})^{a,\alpha} = \frac{1}{a^k} (F^{a,\alpha})^{(k)}$$

if $F = f^{(k)}$, then $F^{a,\alpha} = x^{-k} (f^{(k)})^{(k)}$.

Mikusinski, J.

Theorem (attributed to S. Lojasiewicz, see the 2nd preceding review). If $\lim_{n \rightarrow \infty} F^{x_n}$ exists as a distribution T then T is a constant function (if $F=f$ and $f(a)$ is continuous at a , then T does exist and its constant value is $f(a)$).

Proof. $T^{(k)} = T$ for all $k \in \mathbb{N}$ follows easily from the definition of T . Hence T is of finite order. $T = f^{(k)}$ for some continuous function f and some integer $k \geq 0$.

$$(1) \quad \lambda^k g(\lambda) - g(\lambda) = \sigma_0(\lambda) + \sigma_1(\lambda)\lambda + \cdots + \sigma_{k-1}(\lambda)\lambda^{k-1}$$

a polynomial of degree $\leq k-1$. The author succeeds in showing that $\sigma_i(\lambda)$ is of the form $c_i(\lambda^k - \lambda^2)$ and hence that $g(\lambda)$ is a polynomial of degree $\leq k$. This implies that $T = f^{(k)}$ is a constant function.

I. Halperin (Kingston, Ont.)

Revised

ZIELINSK, PRZEMYSŁAW

CZECHOSLOVAKIA/Nuclear Physics - Elementary Particles

C-3

Abs Jour : Ref Zhur - Fizika, No 2, 1958, No 2863

Author : Zielinsk Przemyslaw

Inst : Not Given

Title : The Ideas of Gell-Mann and Pais on the Classification of
Elementary Particles

Orig Pub : Pokroky mat., fys. a astron., 1957, 2, No 2, 179-188

Abstract : No abstract

Card : 1/1

EXCERPTA MEDICA Sec 10 Vol.11/9 Obstetrics Sep 58

1435. INVESTIGATIONS ON HYPOFIBRINOGENEMIA IN CONNECTION WITH
DEATH OF THE FETUS IN THE SECOND HALF OF PREGNANCY -
Badania nad hipofibrinogenemią w związku z obumarciem płodu w II połowie
ciąż - Zielńska C. Klin. Położn. i Chor. Kobiecoch. Warszawa -
GINEK. POL. 1958, 29/1 (103-109) Graphs 2

Out of 20 pregnant women with dead foetus hypofibrinogenæmia the presence of fibrinolysins was found in 4. Fibrinolysins appeared mostly 4 weeks after the death of the foetus, with the exception of one patient in whom fibrinolysins appeared in the 2nd week after the intra-uterine death of the foetus. The level of fibrinogen and fibrinolysin in those women is rather characteristic. The fibrinogen level may remain high in spite of the presence of fibrinolysins thanks to which the hypofibrinogenæmia does not occur so often. During laboura considerable decrease of fibrinogen occurs but after 3 hr. the level increases, and 24 hr. later it reaches the initial value. In one of the cases observed the fibrinogen level decreased and reached the critical limit. In spite of this the expected disorder in the blood coagulation did not occur. This was due probably to the action of the compensation mechanism (fibrinogen-thromboplastin). A thorough knowledge of those mechanisms requires further research.

ZIELINSKA, Daniela; ROSZKOWSKI, Zbigniew; WAJEROW, Marek

Alkyl benzene as a diluent for polyvinyl chloride blends.
Polimery-twarz-wielk 7 no.7/8:249-251 Jl-Ag '62.

1. Instytut Tworzyw Sztucznych, Warszawa.

WOJCIECHOWSKI, Jan; ZIELINSKA, Danuta

Transpiration of flax and barley. Roczniki wyz szkola
rol Poznan 15 305-318 '63.

1. Department of Plant Physiology, College of Agriculture,
Poznan.

Zielinska, E.

Children's footwear at the Poznan Fair. Biuletyn Wzor. p. 11.

PRZEGLAD SKORZANY. (Centralne Zarzady Przemyslu Garbarskiego, Obuwniczego i Artykulow Skorzanych) Lodz, Poland. Vol. 10, no. 11, Nov. 1955.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 2, Feb. 1959.
Uncla.

MIETKIEWSKI, E.; ZIELINSKA, E.; KOSCIOLEK, E.

Conditioned reflex technic of investigation on the effect of histamine and insulin on the central nervous system in rats. Acta physiol. polon. 8 no.3:462-464 1957.

1: Z Zakladu Fizjologii Pomorskiej A. M. w Szczecinie Kierownik: prof. dr E. Mietkiewski.

(REFLEX, CONDITIONED,

eff. of histamine & insulin (Pol))

(HISTAMINES, effects,

on conditioned reflex action in rats (Pol))

(INSULIN, effects,

same)

MIETKIEWSKI, B., ZIELINSKA, B. KOSCIOLEK, B.

Conditioned reflex method in the study of the effect of histamine and insulin on the central nervous system in rats. *Acta physiol. polon.* 9 no.2:143-159 1958

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prof, dr B. Mietkiewski.

(HISTAMINE, effects,

on conditioned reflex funct. in rats (Pol))

(INSULIN, effects,

same (pol))

(REFLEX, CONDITIONED,

eff. of histamine & insulin (Pol))

ZIELINSKA, E.

New types of summer shoes, Biuletyn Wzor, p. 7. (PRZEGLAD SKORZANY, Lodz, Vol. 8, no. 9, Sept. 1953.)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955,
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KAMINSKA, Maria; ZIELINSKA, Janina

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Pediat. polska 31 no.8:875-880 Aug 56.

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KAPECKA, Krystyna; ZIELINSKA, Krystyna

Influence of added alkyd resin modified with fatty acids on
the water absorbability of polyurethane coatings. Polimery
tworz wielk 8 no. 11: 439-440 N '63.

1. Instytut Farb i Lakierow, Gliwice.

33783
P/045/62/021/002/004/007
B137/B102

24,7000(1144,1160,1385)

AUTHORS: Dąbrowski, Janusz, Sobiczewski, Adam, and Zielińska,
Małgorzata

TITLE: Calculation of the optical potential with the nucleon-nucleon phase shifts in the Thomas-Fermi approximation

PERIODICAL: Acta Physica Polonica, v. 21, no. 2, 1962, 145 - 152

TEXT: The authors calculate the radial distribution of the optical potential V for nucleon-nucleus scattering at an energy of $E_0 \geq 50$ Mev with the aid of the empirical nuclear density. $V = V_0 + \Delta V$, where V_0 is the optical potential calculated with the free nucleon-nucleon scattering operator t_0 , and ΔV is a correction owing to the exclusion principle.

The Thomas-Fermi approximation is used to calculate V for a finite nucleus. The optical potential is expressed with the aid of nucleon-nucleon phase shifts. The nuclear density $\rho(r)$ is assumed to be identical with the charge distribution determined from Hofstadter's electron scattering experiments. For numerical calculations of V the Signell-Marshak nucleon-

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Calculation of the optical ...

nucleon phase shifts are used. ΔV increases the depth of the real part of the optical potential, and decreases that of the imaginary part. The corrections are more important at higher densities. Calculations were carried out for $E = 50, 80$ and 120 Mev. The shape of the optical potential V is discussed in terms of the half-way radius $R_{r(i)}$ and the surface thickness $s_{r(i)}$, where r and i stand for real $R_r \approx R_p + 0.1 f$, and $s_r = s_p$. R_p is the half-way radius, and s_p is the surface thickness (the distance over which the density drops from 90 % to 10 % of its peak value) f is the unit of length in fermis. $s_r = 2.20$ is found, which agrees with experimental results ($s_r = 2.6 - 3.1 f$ for surface absorption below 50 Mev, and $s_r = 2.0 - 2.2$ for volume absorption throughout the whole energy range). The difference $R_r - R_p = 0.1 f$ is too small as compared with experimental results ($0.8 \pm 0.3 f$). The values for $\text{Re } V(0)$ are too big by 20 Mev as compared with experiment. It can be concluded from the experiments that $\text{Re } V$ has practically the same radial distribution as the nuclear density with a corresponding depth, bigger than is usually assumed. $R_i - R_p = 0.25$,
Card 2/3

Calculation of the optical ...

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B137/B102

0.15, 0.10 f is found for $E_0 = 50, 80$ and 120 Mev, respectively. The calculated depth $-\text{Im } V(0)$ is in good agreement with the experimental values given by Bjorklund. There are 2 figures, 1 table, and 11 non-Soviet references. The four most recent references to English-language publications read as follows: Bjorklund, F., Proceedings of the International Conference on the Nuclear Optical Model. The Florida State University Studies, No. 32, 1, 1959; Hahn, B., Ravenhall, D., and Hofstadter, R., Phys. Rev., 101, 1131 (1956); Kerman, A. K., McManns, H., and Thaler, R.M., Ann. Phys. (New York), 8, 551 (1959); Signell, P. S., and Marshak, R. E., Phys. Rev., 109, 1229 (1958). *f*

ASSOCIATION: Institute for Nuclear Research and Institute for Theoretical Physics, Warsaw University, Warsaw (Dabrowski); Institute for Theoretical Physics, Warsaw University, Warsaw and Warsaw Technical University, Warsaw (Sobiczewski); Institute for Theoretical Physics, Warsaw University, Warsaw (Zielinska)

SUBMITTED: July 14, 1961

Card 3/3

DABROWSKI, Janusz; Sobiczewski, Adam; ZIELINSKA, Małgorzata

Calculation of the optical potential with the nucleon-nucleon phase shifts in the Thomas-Fermi approximation. Acta physica Pol 21 no.2:145-152 F '62.

1. Institute for Nuclear Research and Institute for Theoretical Physics, University, Warsaw (for Dabrowski). 2. Institute for Theoretical Physics, University, Warsaw, and Technical University, Warsaw (for Sobiczewski). 3. Institute for Theoretical Physics, Warsaw; University, Warsaw (for Zielinska).

ZIELINSKA, M.E.

The International Leather Week, September 1961. Przegl skorzany
16 no.12:Suppl:Biul. Centr Biura Wewn. Przem. Lekk; 1-4. D '61.

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Midw Not in DLC

SO: Monthly Index of East European Accession (EEAI) LC Vol. 7, No. 5, 1958

"APPROVED FOR RELEASE: 09/19/2001

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Tannin in *Tetraneura ulmi*. *Acta poloniae pharm.* 8 no.4:279-291 1951.
(CLML 21:5)

1. Of the Institute of Pharmacognosy and Medical Botany (Head--Prof. J. Muszynski, M.D.) of Lodz Medical Academy.

ZIELINSKA, S

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4080. Plasticizers for rubbers. S. ZIELINSKA
Przeg. Chem. 1943, 32, 162-164. 2 May
discussing the history of plasticizers and the
mechanism of their action, the author gives notes
on the following types: pine tar, kautschuk, colo-
phony, Plastifikator RA and 3B, coquintone resins,
Ceresin (condensation product of μ -isobutylphenol
and acetylene), Naftolca, chlorinated hydrocarbons,
mineral oils, waxes, bitumen, esters of phthalic,
adipic, sebacic, phthalic, and abietic acids, glycerol
and glycol derivatives, stearic and other long chain
fatty acids, tallow, bone glue, synthetic fatty acids
(from paraffins), plasticizers in dispersed form for
latex, and plasticizers for thioclasts. The suitability
of some types for Buna, Perbunan, and other
synthetic rubbers is noted. 2 May

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1. Z Kliniki Okulistycznej AM w Warszawie Kierownik: prof. dr med. S. Altenberger Z Kliniki Neurologicznej AM w Warszawie Kierownik: prof. dr med. I. Hausmanowa.

(EYE) (NYSTAGMUS)

TOEPLITZ, Barbara; ZIELINSKA, Wieslawa

Rebirth of "Art Nouveau?" Przegl wlokien 17 no. 2:Supplement:
Biul C B wzorn przem lekkiego 4 no. 1/2: 1-4 Ja-F '63.

ZIELINSKA, Wladyslawa

Sequelae of viral hepatitis. Pol. tyg. lek. 19 no.12:440-443
16 Mr '64.

1. Z Kliniki Chorob Zakaznych Akademii Medycznej w Gdansku
(kierownik: prof. dr. med. Wiktor Bincer).

ZIELINSKA, Wieslawa, mgr.

Remarks on the training course for employees of the wool manufacturing industry. Przegl wlokiem 16 no.2;Suppl;Biul C B
Waorn Przem Lekkiego 3 no.1/2:1-4 Ja-F '62.

ZIELINSKA, Wladyslawa

KOZAKIEWICZ, Hanna; ZAWISTOWSKA, Elzbieta; ZIELINSKA, Wladyslawa

Typhoid fever with streptococcal sepsis in mother and son. Polski
tygod. lek. 13 no.1:20-22 6 Jan 58.

1. (Z Kliniki Chorob Zakaznych A. M. w Dansk; kierownik kliniki: prof.
dr med. Wiktor Bincer) Adres: D, Gdansk, Klin. Chor. Zakaznych A. M.

(TYPHOID FEVER, case reports

with streptoc. sepsis in mother & son (Pol))

(SEPTICEMIA AND BACTEREMIA, case reports

streptoc. sepsis with typhoid fever in mother & son

(Pol))

(STREPTOCOCCAL INFECTIONS, case reports

sepsis with typhoid fever in mother & son (Pol))

P.T.A.

*Chemistry + Chemical
Technology*

753

678.812.925 : 621.367 : 535.61—1

Zielinska S. Heating by Means of Quick-Alternating Currents and
Infra-Red Radiation.

"Ogrzewanie za pomocą prądów szybkozmiennych i promieni pod-
czerwonych". Przemysł Chemiczny. No. 11, 1959, pp. 669—675, 5 figs.
1 tab.

A brief description is given of the application of quick-alternating currents for heating the thermoreactive resins in the hardening process. A note on heating by means of infra-red radiation is also outlined.

ZIELINSKA, Zofia; GRZELIKOWSKA, Barbara

Mechanism of the biochemical transfer of one carbon residues
with the participation of folic acids. Chem listy 58 no. 7:
782-807 J1 '64.

I. Institute of Experimental Biology, Department of Biochemistry,
Warsaw.

JABLONSKA, Teresa, mgr; ZIELINSKA, Zofia, mgr

Activities of the State Hydrological and Meteorological Institute
in the field of hydrography. Gosp. wodna 22 no.10:469 0 '62.

1. Zaklad Rocznikow i Monografii Hydrologicznych, Państwowy Instytut
Hydrologiczno-Meteorologiczny, Warszawa.

ZIELINSKA, Z. M.

Chemical Abst.
Vol. 48 No. 3
Feb. 10, 1954
Biological Chemistry

The determination of amino acids in the presence of ammonia and uric acid. *W. M. Zielinska* (Zencki Institut, Łódź, Poland). *Acta Biol. Polon.* 16, 265-70 (1962). —The Folin method (C. A. 16, 1789) was tested on pure amino acid solns. (I) and homogenates (II) and protein-free filtrates (III) of wax moth larvae. When less than 10% of uric acid was added to I or II contg. 15-30 mg. amino N no effect was noted, larger amounts increased the values for amino acid N. Amino acids added to III were recovered within an error of $\pm 5\%$. NH₄Cl added to III of known amino acid and ammonium N content was recovered as amino N when the Folin method was used. I. Z. Roberts

ZIELINSKA, Z.M.

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1. Z Zakladu Biochemii Instytutu im. M.Nenckiego w Lodz. Kierownik:
prof. dr W.Niemierko.

(MOTHS,

wax moth, nitrogen metab. in starvation, role of
various organs)

(NITROGEN, metabolism,

wax moth, in starvation, role of various organs)

ZIELINSKA, Z. M.

ZIELINSKA, Z. M. Przemiany azotowe u gasienic mola woskowego. (Wyd. 1.)
Lodz, Panstwowe Wydawn. Naukowe, 1955. 21 p.
(Lodzkie Towarzystwo Naukowe. Wydzial III Prace, nr. 33)
(Nitrogen metabolism of wax moth larvae. 1st ed. English
and Russian summaries. bibl., diagr., footnotes,
tables) Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

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1. Z Zakladu Biochemii Instytutu Biologii Dosw. im. Wenckiego w Warszawie
Kierownik: prof. dr W. Niemierko.

(NOTES,

Bombyx mori, chem. of moulting fluid (Pol))

ZIELINSKA, Z.M.; KLITA, S.

Chromatographic studies of pterin pigments appearing on the skin of
Lepidoptera larvae. Acta physiol. polon. 8 no.3:584-585 1957.

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Warszawie Kierownik: prof. dr W. Niemierko.

(INSECTS,

Lepidoptera larvae, chromatography of pterin pigments
on skin (Pol))

(PTERINS, metabolism,

Lepidoptera larvae skin, chromatography (Pol))

ZIELINSKA, Z.M.; GRZELAKOWSKA, B.

Lipids distribution of oocytes and nurse cells of *Acantholyda nemoralis* pronymphae as affected by folic acid, folinic acid, and aminopterin. *Folia morphol* 21 no.3:363-369 '62.

1. Department of Biochemistry, Nencki Institute of Experimental Biology, Warsaw. Head of Department: Prof. Dr W. Niemierko.

ZIELINSKA, Zofia; GRZELAKOWSKA, Barbara

Mechanisms of the formylation and hydroxymethylation reactions.

Postepy. biochem. 8 no.4:453-473 '62.

(PTERINS) (FOLIC ACID) (FORMATES)

ZIELINSKA, Zofia M.; GRZELAKOWSKA, Barbara

The Development of the Polytrophic Ovaries in *Acantholyda nemoralis* Thoms. (Hymenoptera). *Folia histochem. cytochem.* (Krakow) 3 no.2:75-100 '65.

1. Nencki Institute of Experimental Biology, Department of Biochemistry, Warszawa.

EXCERPTA MEDICA Sec.15 Vol.10/5 Chest Diseases May57

1304. ZIELIŃSKA-ŁOJEŃSKA B. Klin. Ortop. A. M., Warszawa. *Kontrola późnych wyników usztywnienia kręgosłupa sposobem Albee-Gruca w gruźlicy kręgosłupa u dzieci. End result study of fusion of the spine according to Albee-Gruca technique for tuberculous

1304

CONT

spondylitis in children CHIR. NARZAD. RUCHU 1956, 21/1 (13-20)

Tables 7 Illus. 5

Twenty-six children were checked up over a period of 2 to 8 yr. after operation. In 16 instances good result, in 3 uncertain result and in 7 poor result has been noted. The angle of kyphosis did not alter in 7 instances, and increased in 12 cases. It was found that increase of the angle of kyphosis depended upon the number of the vertebrae affected, the localization of the disease and upon whether there was an active tb-focus, which, in its turn, depended upon the quality of fixation. The following conclusions have been reached: (1) the result of operation does not depend upon the duration of the disease prior to operation (accepting that operation is performed in a reparative stage of the process); (2) good results were obtained when fusion included 2 healthy vertebrae above and below the diseased area in the thoracic spine, and one healthy vertebrae above and below the focus in the lumbar spine; (3) there is a close correlation between the degree of fixation and healing process. When fixation is inadequate the focus heals slowly or persists active; (4) streptomycin permits an earlier operation and promotes quick healing of the focus; (5) the growth of healthy vertebrae included in fusion is not impaired. Poor results were chiefly due to 3 cases: extent of the disease, insufficient fixation and inadequate postoperative management with regard to the extent of the disease (too short period of immobilization following operation).

(IX, 7, 15)

EXCERPTA MEDICA Soc 7 Vol. 11/7 Pediatrics July 57

1841. ZIELIŃSKA-ŁOJEWSKA B. Klin. Ortop. A.M., Warszawa. *Kontrola późnych wyników usztywnienia kręgosłupa sposobem Albee-Gruca w gruźlicy kręgosłupa u dzieci. End result study of fusion of the spine according to Albee-Gruca technique for tuberculous spondylitis in children CHIR. NARZĄD. RUCHU 1956, 21/1 (13-20) Tables 7 Illus. 5

Twenty-six children were checked up over a period of 2 to 8 yr. after operation. In 16 instances good result, in 3 uncertain result and in 7 poor result has been noted. The angle of kyphosis did not alter in 7 instances, and increased in 12 cases. It was found that increase of the angle of kyphosis depended upon the number of the vertebrae affected, the localization of the disease and upon whether there was an active tb-focus, which, in its turn, depended upon the quality of fixation. The following conclusions have been reached: (1) The result of operation does not depend upon the duration of the disease prior to operation (accepting that operation is performed in a reparative stage of the process). (2) Good results were obtained when fusion included 2 healthy vertebrae above and below the diseased area in the thoracic spine, and one healthy vertebrae above and below the focus in the lumbar spine. (3) There is a close correlation between the degree of fixation and healing process. When fixation is inadequate the focus heals slowly or persists active. (4) Streptomycin permits an earlier operation and promotes quick healing of the focus. (5) The growth of healthy vertebrae included in fusion is not impaired. Poor results were chiefly due to 3 causes: extent of the disease, insufficient fixation and inadequate postoperative management with regard to the extent of the disease (too short period of immobilization following operation).

(IX, 7, 15)

ZIELINSKA-LOJEWSKA, Bogumila

Late results of spine fusion with Albee-Gruca technic for
tuberculous spondylitis in children. Chir. narz. ruchu 21 no.
1:13-20 1956.

1. Z Kliniki Ortopedycznej A. M. w Warszawie, Kierownik: prof.
dr. A. Gruca, Warszawa, ul. Daniłowskiego 46 m. 3.
(TUBERCULOSIS, SPINAL, surg.
spine fusion in child., late results. (Pol))

ZIELINSKA-LOJEWSKA, Bogumila

Alloplasty in the reconstruction of a paralytic calcaneus.
Chir. narzad. ruchu ortop. pol. 28 no.1:17-20 '63.

1. Z Kliniki Ortopedycznej AM w Warszawie Kierownik: prof.
dr A. Gruca.

(CALCANEUS) (POLIOMYELITIS) (PARALYSIS)
(SURGERY, OPERATIVE)

IEFELD-SOSNOWSKA, M.; ZIELINSKA-ROHOZINSKA, E.

Dynamical effects of X-ray interference in silicon single crystals.
Acta physica Pol 21 no.4:329-338 Ap '62.

1. Institute of Physics, Polish Academy of Sciences, Warsaw.

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CHURCHES

APPROVED FOR RELEASE: 09/19/2001

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ZIELINSKA-SOWICKA, Regina

SURNAME (in caps); Given Names

Country: Poland

Academic Degrees: Doc Dr

Affiliation: [not given]

Sources: Warsaw, Farmacja Polska, Vol XVII, No 13, 10 July 1961,
pp 260-262

Data: "Ginseng - A Drug of the Far East."

ZIELINSKA, W.

1st degree auriculoventricular block in typhoid fever.
Kardiol. Pol. 7 no.1:57-61 '64.

1. Z Kliniki Chorób Zakaznych Akademii Medycznej w
Gdańsku (Kierownik: prof. dr. W. Bincer).

SULPHUR COMPOUNDS IN CRUDE OIL AND ITS PRODUCTS. Glaser, - and Zielinski, - (Katowice: Miniat. Min., 1951, Prace Golw. Inst. Nafty (Proc. Chief Inst. Petrol.), (6), 20 pp.). A review of known properties of sulphur and its compounds in so far as they affect oil products. A list and brief descriptions of many sweetening processes is given, followed by description of experimental results of counter current extraction using NaOH ec. and CH₃OH, proving that there is an optimum rate of flow giving maximum extraction. I.P.

ZIELINSKI, A.

ZIELINSKI, A. From the experience of the industrial building industry in
the field of operation planning of transportation. p. 358.

Vol. 10, No. 12, Dec. 1955

Materiały Budowlane

Technology

Warszawa, Poland

So: East European Accession, Vol. 5, No. 5, May 1956

ZIELINSKI, A.

ZIELINSKI, A. Some remarks on taxicabs. p. 261. Vol. 11, no. 10, Oct. 1956.
MOTORYZACJA. Warszawa, Poland.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

ZALESKI, Jerzy, dr; KLIMKIEWICZ, Marian, mgr; MIELEWSKI, Aleksander

Reviews of publications. Tech gosp morska' 14 no. 7:210-211
J1 '64.

POLAND / Chemical Technology. Chemical Products.
Commercial Organic Synthesis.

Abs Jour: Ref Zhur-Khimiya, 1958, No 20, 68295.

Author : Zielinski A., Suknarowska S.

Inst : Not given.

Title : Vapor Pressure of Mixtures of Allyl Chloride-Kerosene.

Orig Pub: Przem. chem., 1957, 13, No 5, 279-281.

Abstract: For the absorption of $\text{CH}_2 = \text{CHCH}_2\text{Cl}$ (I) vapors from gases generated in the manufacturing process for I (by the high temperature chlorination of propylene), kerosene is often used. Experiments were conducted for the purpose of determining

Card 1/2

ZIELINSKI, Anatol

Occurrence of quartz sand in the Mierzejice region. Przegl.
geol 11 no.9t429-430 S'63

1. Institute of Geology, Warsaw.

ZIELINSKI, Andrzej, mgr., inz.

7th European Machine-Tools Exhibition. To be contd. Przegl
mech 21 no.4:115-118 '62.

1. Centralne Biuro Konstrukcji Obrabiarek, Pruszkow

ZIELINSKI, Andrzej, mgr., inz.

7th European Machine Tool Exhibition. Pt.2. Przegl. mech 21 no.5:
148-150 '62.

1. Centralne Biuro Konstrukcji Okretowych, Pruszkow

ZIELINSKI, Andrzej, mgr inz.

Boring machine of the 3 S Dixi Company type with visual or program coordinate setting. Mechanik 35 no.11:600-602, 603 N '62.

1. Centralne Biuro Konstrukcji Obrabiarek, Pruszkow.

L 47406-66 T WW/JW/WE
ACC NR: AT6028779

SOURCE CODE: PO/2521/66/000/027/0059/0068

AUTHOR: Zielinski, Andrzej, (Gdansk); Bralostocki, Stanomir, (Gdansk)

ORG: none

TITLE: Estimation of the effect of fuel quality on the electric conductivity of seeded combustion products

SOURCE: Polska Akademia Nauk, Instytut Maszyn Przepływowych, Prace, no. 27, 1966, 59-68

TOPIC TAGS: hydrocarbon, electric conductivity, free electron, combustion product

ABSTRACT: The results of calculations are given for evaluating the differences in electric conductivity of seeded combustion products of various fuel types. Several ordinary hydrocarbon fuels were used as examples. All fuels were tested under identical combustion conditions: a stoichiometric combustion with air at a pressure of 1 atm and a temperature of 1000C. The calculated conductivity resulted from the addition of potassium (K) to the equilibrium combustion products.

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L 47406-66

ACC NR: AT6028779

The decrease in the concentration of free electrons due to the presence of O and OH and the formation of KOH was taken into consideration. For a group of fuels having similar values of the adiabatic temperature of combustion the conductivity differences amounted to 30%. These differences result from different values of the fuel hydrogen-carbon ratio H:C. The optimum content of seeding varies from 4 to 7%, depending on the hydrogen content in the fuel. The results of calculations are significant for investigating the processes of magnetodynamic generators fed with hydrocarbon fuels. Orig. art. has: 7 figures, 15 formulas, and 2 tables. [Based on authors' abstract] [NT]

SUB CODE: 21/ SUBM DATE: 00Mar65/ ORIG REF: 001/ SOV REF: 001/
OTH REF: 006/

hs

Card 2/2

L 08248-67 EWP(j) WW/JW/WE/RM

ACC NR: AT6033380

SOURCE CODE: PO/2521/66/000/028/0089/0088

AUTHOR: Bialostocki, Slawomir (Gdansk); Zielinski, Andrzej (Gdansk)

56

54

134/

ORG: none

TITLE: Adiabatic temperature and composition of combustion products for several ordinary fuels with air preheated to higher temperatures

SOURCE: Polska Akademia Nauk. Instytut Maszyn Przepływowych. Prace, no. 28, 1966, 89-98

TOPIC TAGS: combustion, combustion product, combustion temperature, hydrocarbon, fuel, adiabatic temperature

ABSTRACT: Adiabatic temperature and equilibrium composition of combustion products are given in this paper for selected fuels in reaction with air preheated to 1000C. The calculation, in which full account is taken of dissociation, was made according to Huff method [V. N. Huff, S. Gordon, V. E. Morrell, NACA Report 1037] for the stoichiometric ratio of fuel and air, and for one atm pressure. Results are quoted for several pure hydrocarbon compounds and several ordinary fuel mixtures taken into consideration in the selection of fuel for high-temperature

Card 1/2

L 08248-67

ACC NR. AT6033380

2
combustion experiments. For a commercial mixture: butane—72%, propane—24%, ethane—4%; results are given for air temperature varying from 18 to 1200C. Orig. art. has: 14 formulas, 8 figures and 2 tables. [Authors' abstract]

SUB CODE: 20, 21 / SUBM DATE: 00Jan65 / SOV REF: 001 / OTH REF: 006 /

Card 2/2 (b)

ZIELINSKI, Andrzej

Some remarks on rabies. Przegl. lek. 21 no.9:573-575 165.

1. Z Osrodku Zdrowia w Czorsztynie (B. kierownik: Lek.
A. Zielinski).

MYSZKOWSKI, Jerzy; ZIELINSKI, Antoni Z.; KRODKIEWSKA, Jadwiga;
DZIK, Alicja

Influence of the environment pH value on the process of
dehydrochlorination of 3-chlorobutan-2-one. Chemia stosow.
8 no.4:465-474 '64.

1. Department of Organic Chemical Technology of the Division
of Chemistry of the Technical University, Szczecin.

DYLEWSKI, Andrzej, mgr inż; ZIELINSKI, Andrzej, mgr inż.

Causes for damages of rolling bearings of the ET 21 electric locomotive. Przegl kolej mechan 13no.10:309-314 0 '61.

ZIELINSKI, Andrzej

Influence of flat places of wheel tires on rail cracking.
Przegl kolej mechan 15 no. 5: 139-142 My '63.

1. Centralny Ośrodek Badań i Rozwoju Techniki Kolejnictwa,
Warszawa.

ZIELINSKI, Andrzej

Damages of passenger car axles: causes and preventive means.
Przegl kolej mechan 10 [i.e.15] no.11:335-339 N°63.

1. Centralny Ośrodek Badań i Rozwoju Techniki Kolejowej,
Warszawa.

STRONSKI, Ignacy; ZIELINSKI, Andrzej

Application of α -hydroxyisobutyric acid in the separation of some metal ions on the ion exchanger Ku-2. Nukleonika 9 no.10: 801-807 '64.

1. Laboratory of Chemistry and Radiochemistry of the Institute of Nuclear Physics, Krakow-Bronowice.

ZIELINSKI, A.

"Landing an aeroplane by parachute." p. 120. (Skrzydla I Motor, Vol. 8, no. 8, Feb 53,
Warszawa)

SO: Monthly List of East European Accessions, Vol 2 No 9 Library of Congress Sept 53 Unci

ZIELINSKI, A.

TECHNOLOGY

PERIODICAL. PREZGLAD GEOLOGICZNY. Vol. 6, no. 3, Mar. 1953.

ZIELINSKI, A. The synsedimentary tectonic deslocations in Orzesze deposits of
Wesola Slaski. p. 126.

Monthly List of East European Accessions (EEAI) LC Vol. 38, nnd. 4
April 1959, Unlass.

ZIELINSKI, A.

TECHNOLOGY

PERIODICAL: PREZGLAD GEOLOGICZNY. Vol. 6, no. 3, Mar. 1958.

ZIELINSKI, A. The occurrence of bones of Pleistocene Mammalia in Ledziny of Upper Silesia. p. 127.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 4
April 1959, Unclass.

Distr: 4E3d/4E2c(j)

27

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✓ Solubility of hydrogen chloride in chlorinated hydrocarbons. Anton Zb. Zielenkiewicz (Polish Chem. Research Institute, Warsaw). Przeglad Chem. 37, 381-4 (1953) (English summary).—The solv. of HCl in CCl_4 , CHCl_3 , CH_2Cl_2 , and $\text{C}_2\text{H}_5\text{Cl}_2$ was determined. The higher the no. of Cl atoms in the mole of the solvent the lower the solv. of HCl (except for CH_2Cl_2 which dissolves above 25° less HCl than CHCl_3). All measurements were carried out at atm. conditions (710 mm. Hg) and 20-40°.

Chemical engineering and its relation to the chemical industry. [A. Zicliński.
Przemysł Chem. 5(28), 364-70(1949)

A review.

Frank Comet

immediate source clipping

POLAND / Physical Chemistry. Kinetics. Combustion. B-9
Explosives. Topochomistry. Catalysis.

Abs Jour: Ref Zhur-Khimiya, No 2, 1959, 3954.

Author : Zielinski, A. Zb.
Inst : Not given.

Title : Two Types of Ferric Chloride for Use as Catalysts in Liquid-Phase Hydrocarbon Chlorinations.

Orig Pub: Roczniki Chem, 31, 1061-1063 (1957) (in Polish
with an English summary).

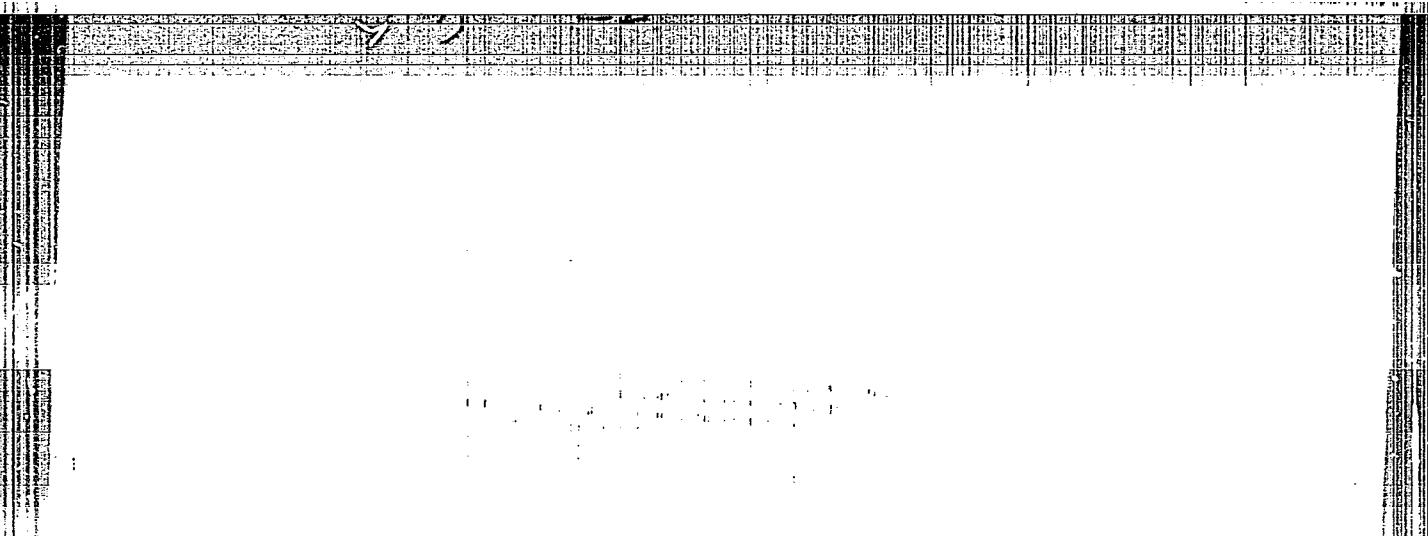
Abstract: A brief description is given of two forms of ferric chloride in hydrocarbon solutions, one yellow and one black, possessing different catalytic activities. The black form has a marked catalytic effect on the reaction of Cl with the lower olefins, while the yellow form has a considerably less pronounced catalytic activity.
-- S. Kiperman.

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APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110012-3"

ZIELINSKI, Antoni Zbigniew; KOMORNICKA, Teresa; WYZYKOWSKI, Ryszard

Dark polymers arising in chlorohydrocarbon solutions in the presence
of iron III chlorides. Chemia stosow 3 no.4:487-495 '59.

1. Zaklad Technologii Chemicznej Organicznej II, Politechnika, Szczecin.

GWIAZDOWSKI, Lechoslaw; STOJANOWA-ANTOSZCZYSZYN, Milka; ZIELINSKI, Antoni Z.

Automated continuous measuring absorption of hydrogen chloride. Przem
chem 40 no.9:533-534 S '61.

1. Zaklad Technologii Chemicznej Organiczne II, Politechnika, Szczecin.

STOJANOVA-ANTOSZCZYSZYN, Milka; ZIELINSKI, Antoni Z.

Binary and ternary mixtures of photochlorination products of chloro-methanes. Pt. 1. The solubility, density and coefficients of light diffraction. Przem chem 40 no.10:577-580. 0 '61.

1. Zaklad Technologii Chemicznej Organicznej II, Politechnika, Warszawa.

CA

Dealing with serious leakages of chlorine in difficult
conditions. A. Zelitski and B. Pekalski. *Przemysl Chemiczny*,
5, 598-602(1940).—Measures adopted for dealing with

leaking Cl₂ tanks in underground storage are described. B. A.

87: P. Ando, R. L. Teller
R. L. Teller

By: [Signature]

Dealing with serious leakages of chlorine in different conditions.
A. Zielinski and B. Pekszak (Prace, 1940, 5, 595-607).
Measures adopted for dealing with leaking Cl₂ tanks in underground
storage are described. T. Truscon.

Poland/Chemical Technology. Chemical Products and Their Application -- Nitrogen industry,
I-3

Abst Journal: Referat Zhur - Khimiya, No 2, 1957, 5009

Author: Zielinski, A., Sit, B.

Institution: None

Title: Causes of NH_3 Evolution in Frederking Apparatus During Production of Calcium-Ammonium Saltpeter

Original
Publication: Przem. chem., 1956, 12, No 2, 112-114

Abstract: The causes have been ascertained of the evolution of NH_3 on mixing of fused NH_4NO_3 and CaCO_3 . It is shown, on the basis of experiments, that the source of the emitted NH_3 is the unstable $(\text{NH}_4)_2\text{CO}_3$, which is formed as a result of the action of CaCO_3 on NH_4NO_3 , in an amount that is proportional to the duration of heating of the mixture. It was also found that addition of MgCO_3 to the CaCO_3 decreases the amount of emitted NH_3 .

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or the amount of the excess, whichever is less, depending on the cost of the services and the time required.

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"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110012-3

Zehnski A., Kapczynska E., Szwedek J., A Simple Mechanical Device
To Differentiate The Derivative Function

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110012-3

"APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110012-3

APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110012-3"

ZIELINSKI, Adam, Stalinogrod

March fractures. Polski przegl. chir. 26 no.9:809-824 Sept 54.

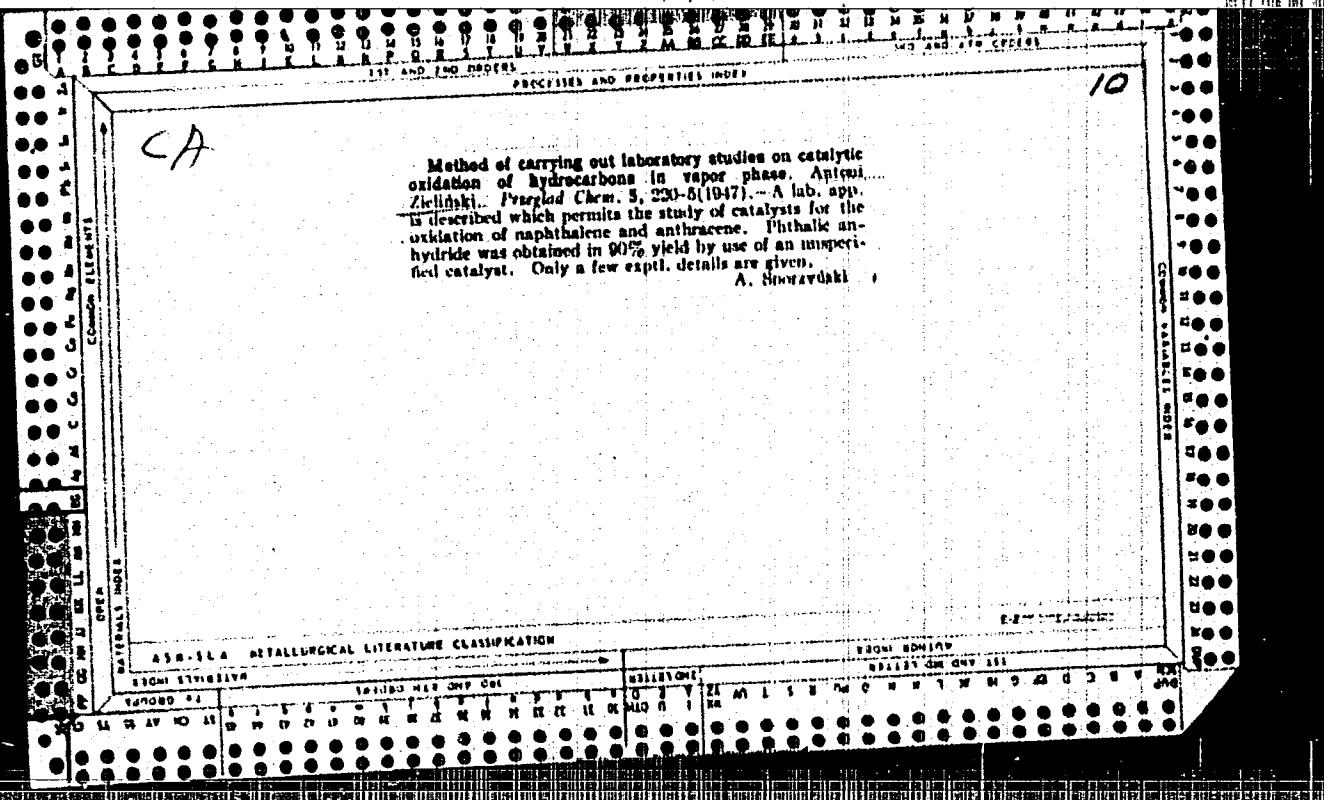
1. Z II. Kliniki Chirurgicznej Akademii Medycznej we Wrocławiu.
Kierownik: prof. dr. Bross. 2. Z Oddzialy Chirurgicznego
Szpitala Wojewodzkiego w Stalinogradzie. Ordynator: dr. med.
K. Smolarski

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 march fract., pathol. & ther.

(FRACTURES

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CF

Determination of phthalic anhydride. Anton J. Binkley, Pragya Chem. S, 225-7 (1947). Modification of Downs and Stupp's method (C.A. 42, 1950) is described comprising: (1) the use of ordinary hydroscopic cotton wool instead of cotton boiled in 10% NaOH, (2) alteration of the shape of the reaction tube, (3) addn. of 0.01-0.02 g. $\text{NaCl}_2\text{H}_4\text{O}$ to remove α -naphthoquinone and other impurities present in phthalic anhydride obtained by catalytic oxidation of naphthalene in the vapor phase. The modified method gives good and consistent results independent of the reagent of phthalic anhydride. A. B.

7

ASR-15A. METALLURICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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APPROVED FOR RELEASE: 09/19/2001

CIA-RDP86-00513R002065110012-3"

ZIELINSKI, Andrzej

Operation results of the EU05 electric locomotives during
their first year on the Polish State Railways. Przegl kolej
mechan 15 no.1:5-10 Ja '63.

1. Centralny Osrodek Badan i Rozwoju Techniki Kolejowej,
Warszawa.

ZIELINSKI, Antoni Z.; SKURAT, Janina

The liquid-vapor equilibrium for mixtures of ethylene chloride
with kerosene. Przem chem 41 no.7:371-373 J1 '62.

1. Zaklad Technologii Chemicznej Organicznej II, Politechnika,
Szczecin.

ZIELIŃSKI, ANTONI ZBIGNIEW

Distr: *AE2c' 5*

A complex of ferric chloride with ethylene chloride and its catalytic effect on chlorination of ethylene. 1. *Introduction*. Structure of the complex. The reaction of C_2H_2 with Cl_2 in the presence of FeCl_3 in CH_2Cl_2 has been studied by several authors. FeCl_3 is a strong catalyst for the reaction, but the reaction products of interest are not so far investigated with respect to the mechanism. It is known that FeCl_3 is used as catalyst in chlorination of C_2H_2 in the presence of excess Cl_2 but not by means of $2\text{FeCl}_3 + \text{Cl}_2$ at a low rate of C_2H_2 of 20-30 mole/l. reacting with $0.3-0.7$ (possibly even 4-5) mole excess Cl_2 in CH_2Cl_2 (yellow or cherry-brown) so as config. 14. Complex FeCl_3 is different in catalytic effects permitting substitutions amounting to 1 max. of 11 and 3% of the reacted Cl , resp. Transition of yellow into cherry-brown color required the H_2O content to be reduced from 11 to 10-14 (mole/l.), and catalyst thus became effective at an equimolar $\text{FeCl}_3/\text{H}_2\text{O}$ ratio (only 0.5% of the reacted Cl substitution). Absorption bands were found in HCl -acidified FeCl_3 aq. soln. (50 mg./l.) at 223 m μ , in anhyd. $\text{C}_2\text{H}_2\text{Cl}_2$ soln. of FeCl_3 (49 mg./l.) at 245, 318, and 365 m μ , and in H_2O -acid. $\text{C}_2\text{H}_2\text{Cl}_2$ soln. (87 mg. FeCl_3 /l.) at 245, 318 (weak), and 360 (weak) m μ . A mechanism suggested for the reaction in anhyd. medium involves a polarization in Cl and C_2H_2 mols. induced by a metastable poly- FeCl_3 and $\text{C}_2\text{H}_2\text{Cl}_2\text{Cl}$ complex followed by addition of Cl^- to the double bond. Effect of H_2O is discussed. A. Barthélémy

ZIELINSKI, Antoni Zb.; KOMORINSKA, Teresa; WYRZYKOWSKI, Ryszard

Dark polymers arising in chlorohydrocarbon solutions in the presence of iron (III) chloride. Chemia stosow 3 no.4:487-495 '59. (XBAI 9:6)

1. Zaklad Technologii Chemicznej Organicznej II Politechniki Szczecinskiej.

(Polymers and polymerization) (Hydrocarbons)
(Chlorine) (Chlorination) (Iron chlorides)

ZIELINSKI, Antoni, Z.

Sulphur tetrafluoride as the modern selective fluorination agent. Przem chem 39 no.12:747-749 D '60.

1. Katedra Technologii Chemicznej Organicznej, Politechnika, Szczecin

GWIAZDOWSKI, Lechoslaw; STOJANOWA-ANTOSZCZYSZYN, Milka; ZIELINSKI, Antoni Z.

Automatic continuous measuring absorption of hydrogenous chloride.
Przem chem 40 no.9:533-534 S '61.

1. Zaklad Technologii Chemicznej Organicznej II, Politechnika, Szczecin.

ZIELINSKI, Antoni Z.; STOJANOVA-ANTOSZCZYSZIN, Milka

Binary and ternary mixtures of photochlorination products of chloromethanes. Pt.II. A simplified calculation of the approximate composition of the chloromethanes mixture on the basis of its density. *Przem chem* 40 no.12:698-700 D '61.

1. Zaklad Technologii Chemicznej Organicznej II, Politechnika, Szczecin.

ZIELINSKI, Antoni, Z.; STOJANOWA-ANTOSZCZYSZN, Milka

Binary and ternary mixtures of products deriving from the photochlorination of chloromethanes. III. Speedy computation of approximate content of dimers on the basis of density and the light diffraction coefficient. Przem chem 41 no.1:37-38 Ja '62.

1. Zaklad Technologii Chemicznej Organicznej II., Politechnika, Szczecin

ZIELINSKI, Antoni Z.

A conference on the chemistry and technology of chlorine and chlorine compounds. Przem chem 41 no.10:596-597 0 '62.

1. Przewodniczacy Komitetu Organizacyjnego Konferencji na temat Chemii I Technologii Chloru i Związków Chloru, Szczecin.

ZIELINSKI, Antoni Zbigniew

The complex compound of iron III chloride and its catalytic influence upon the chlorination of ethylene. *Chemia stlosow* 3 no.3:385-398 '59.

1. Zaklad Technologii Chemicznej Organicznej II, Politechnika, Szczecin.

ZIELINSKI, Antoni Z.; STOJANOWA-ANTOSZCZYSZN, Milka

Binary and ternary mixtures of chloromethane photochlorination products. Pt. 3. Speedy calculation of approximate content of dimers on the basis of the density and the light refraction coefficient. Przem chem 41 no.1:37-38 Ja '62.

1. Zaklad Technologii Chemicznej Organicznej II, Politechnika, Szczecin

ZIELINSKI, A. Zb.

H-2

POLAND/Chemical Technology - Chemical Products and Their
Application - Processes and Apparatus for
Chemical Technology.

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 8283

Author : Zielinski A. Zb., Kapczynska E., Szyroki Z.

Inst :
Title : Simple Electromagnetic Device for Spraying the Reflux
 in the Column.

Orig Pub : Przem. chem., 1957, 13, No 3, 181-182

Abstract : No abstract.

Card 1/1